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## EXPLANATORY NOTE

1. ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY DISEASE.
2. DISEASES ARE INDICATED AT THE BEGINNING OF EACH GROUP.
3. MULTIPLE SUBJECT AREA, TWO OR MORE DISEASES COVERED IN ARTICLE.
4. UNDER DISEASE, ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY AUTHOR'S NAME.
5. ON THE RIGHT MARGIN:
   - PIL - Article appears in a periodical (journal) in library.
   - PIL/A - Article authored by PIADL staff member(s).
   - NUMBER - Publication is available in "Reprint File" under indicated number.
   - LIBR. CLASSIF. CALL NUMBER - Book is available in library.
   - CIRC. FILE - Publication is in Circulating Files in library.

## MULTIPLE SUBJECT AREA

BLACKBURN, J.T.
Meat production in Africa: the case for a new domestic species.
FMD; Rinderpest.
Vet. Rec. 90(12):349-350, 1972. PIL

BRETH, F.E.
Le importazioni di seme di toro attirano l'attenzione su Plum Island.
FMD; ASF; Rinderpest; Fowl plague; AHS.
Riv. Zootec. 50(1):53-58, 1972. #8587

CASTRUCCI, G., and others.*
Characterisation of a viral agent resembling bovine herpes mammillitis virus.
Bov. mamm.; Lumpy skin.
Vet. Rec. 90(12):325-335, 1972.
*B. Pedini, V. Cilli, and G. Arancia. PIL

CHARDONNET, Y., GAZZOLO, L., and POGO, B.G.T.
Effect of a-amanitin on adenovirus 5 multiplication.
Fowl plague; VSV.
Virology 48(1):300-304, 1972. PIL

DOMERMUTH, C.H. [comp.]
Mycoplasmataceae; a bibliography and index, 1852-1970, [compiled by] C.H. Domermuth, and J.G. Rittenhouse. Blacksburg, Va., Va. Polytech. Inst. and State Univ., Res. Div. Bull. 61, 136 p., 1971.
CBPP; Caprine pleuropneumonia; Cont. agalactia. #6943

HUNTER, G.D
Scrapie: a prototype slow infection.
Scrapie; Visna; Rida.
J. Infect. Dis. 125(4):427-440, 1972. PIL

MULTIPLE SUBJECT AREA

KALUZA, G., SCHOLTISSEK, C., and ROTT, R.
Inhibition of the multiplication of enveloped RNA-viruses by glucosamine and 2-deoxy-D-glucose.
VSV; Fowl plague.
J. Gen. Virol. 14(3):251-259, 1972. PIL

KROGSGAARD-JENSEN, A.
Mycoplasma: growth precipitation as a serodiagnostic method.
CBPP; Cont. agalactia; Caprine pleuropneumonia.
Appl. Microbiol. 23(3):553-558, 1972. PIL

MAZAN, B.
Virus paravaccinaux animaux et nodule des trayeurs. Essai de synthese.
Sheep pox; Cont. ecthyma.
These Doct. Vet., Faculte de Med. de Creteil, 45 p., 1971. These No. 179.
Cited in: Inst. Fr. Fievre Aphteuse "Bull. Ref. Bibliogr. - Med. Vet." V4 01.835, Nov./Dec. 1971. ---

MIRCHAMSY, H., and AHOURAI, P.
Comparative adaptation of some pox viruses in two cell systems.
Goat pox; Sheep pox; Cont. ecthyma.
Arch. Inst. Razi 23:93-105, 1971. SF 745 I78

MORAHAN, P.S., and others.*
Antiviral activity and side effects of poly-riboinosinic-cytidylic acid complexes as affected by molecular size (synthetic polynucleotide/interferon/antitumor agent/drug metabolism).
FMD; VSV.
Proc. Natl. Acad. Sci. U.S.A. 69(4):842-846, 1972.
*A.E. Munson, W. Regelson, S.L. Commerford, and L.D. Hamilton. PIL

PANDEY, R., and SINGH, I.P.
Soluble antigens of sheep pox and goat pox viruses as determined by immunodiffusion in agar gel.
Sheep pox; Goat pox.
Acta Virol. 16(1):41-46, 1972. PIL

PLOWRIGHT, W., and others.*
Congenital infection of cattle with the herpesvirus causing malignant catarrhal fever.
Rinderpest; CBPP; FMD.
Res. Vet. Sci. 13(1):37-45, 1972.
*M. Kalunda, D.M. Jessett, and K.A.J. Herniman. PIL

ROSENBERGOVA, M., and PRISTASOVA, S.
Nuclease activity of large RNA viruses.
VSV; Fowl plague.
Acta Virol. 16(1):1-8, 1972. PIL

MULTIPLE SUBJECT AREA

SPRADBROW, P.B.
Virus diseases of domestic animals.
--Review article.
Cont. ecthyma; Lumpy skin; ASF; AHS; FMD; Rinderpest; VSV; Ephemeral fever; VEE.
Aust. Vet. J. 48(2):64-65, 1972. PIL

ZLOTNIK, I., and others.*
The pathogenesis of western equine encephalitis virus (W.E.E.) in adult hamsters with special reference to the long and short term effects on the C.N.S. of the attenuated Clone 15 variant.
Louping ill; VEE.
Br. J. Exp. Pathol. 53(1):59-77, 1972.
*S. Peacock, D.P. Grant, and D. Batter-Hatton. PIL

AFRICAN HORSE SICKNESS

AMJADI, A.R., and AHOURAI, P.
Observation of inclusion bodies in renal epithelial cells of experimentally infected horses with African horse-sickness virus.
Arch. Inst. Razi 23:125-128, 1971. SF 745 I78

HAZRATI, A., and DAYHIM, F.
The study of African horsesickness virus by the agar double-diffusion precipitation test. II. Characterization of the precipitating antigen.
Arch. Inst. Razi 23:33-43, 1971. SF 745 I78

AFRICAN SWINE FEVER

U.S.D.A. ANIMAL AND PLANT HEALTH SERVICE.
VETERINARY SERVICES. EMERGENCY PROGRAMS.
African swine fever - a review.
African swine fever - Spain & Portugal.
Foreign Anim. Dis. Rep. No. 2:3-6, 1972. CIRC.FILE

U.S.D.A. ANIMAL AND PLANT HEALTH INSPECTION SERVICE.
VETERINARY SERVICES. EMERGENCY PROGRAMS.
France free of African swine fever.
Foreign Anim. Dis. Rep. No. 3: 8, 1972. CIRC.FILE

BOVINE MAMMILLITIS

POSTE, G.
Characterization of a new canine herpes virus.
Arch. Gesamte Virusforsch. 36(1-2):147-157, 1972. PIL

CONTAGIOUS AGALACTIA OF SHEEP AND GOATS

BAHARSEFAT, M., and YAMINI, B.
Mycoplasma agalactiae. IV.-Immunisation contre l'agalactiae contagieuse des ovins et des caprins.
Pap. pres. Symp. Mediterr. Mal. Infect. Mouton, Ile de Rhodes, October 12-15, 1970.
Arch. Inst. Razi 23:107-111, 1971. SF 745 I78

CONTAGIOUS AGALACTIA OF SHEEP AND GOATS

BAHARSEFAT, M., YAMINI, B., and AHOURAI, P.
Mycoplasma agalactiae. V.-Comparison of three different contagious agalactia vaccines.
Arch. Inst. Razi 23:113-118, 1971. SF 745 I78

BRANNY, J., and ZGORNIAK-NOWOSIELSKA, I.
Mykoplazmy w nasieniu buhajow. II. Wlasciwosci serologiczne mykoplazm wystepujacych w nasieniu. (Mycoplasms in the semen of bulls. II. The serological properties of mycoplasms isolated from semen.)
Med. Weter. 27(2):113-115, 1971 (Pol.).
Vet. Bull. 42(3):134(1242), 1972. PIL

DELLINGER, J.D., and JASPER, D.E.
Polyacrylamide-gel electrophoresis of cell proteins of mycoplasma isolated from cattle and horses.
Am. J. Vet. Res. 33(4):769-775, 1972. PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

GEE, R.W.
Water buffalo in Australia.
Aust. Vet. J. 48(1):39, 1972. PIL

LINDLEY, E.P.
La spiramycine et les lesions post-vaccinales au vaccin lyophilise, "M. mycoides var mycoides, souche TI/44", contre la peripneumonie contagieuse des bovides. (Spiramycin and post-vaccinal lesions in cattle due to the lyophilised strain TI/44 vaccine against pleuropneumonia.)
English summary.
Cah. Med. Vet. 40(5):233-236, 1971 (Fr.).
Vet. Bull. 42(3):134(1238), 1972. PIL

MASIGA, W.N., WINDSOR, R.S., and READ, W.C.S.
A new mode of spread of contagious bovine pleuropneumonia?
Vet. Rec. 90(9):247-248, 1972. PIL

CONTAGIOUS ECTHYMA OF SHEEP

ROSALES, L.F., and LOARCA, A.
Ectima contagioso espontaneo y experimental en Guatemala. (Spontaneous and experimental contagious ecthyma in Guatemala.)
Rev. Fac. Med. Vet. Zootec.-Univ. San Carlos (Guatem.) 3(1):29-32, 1971 (Span., Engl.).
Vet. Bull. 42(2):77(721), 1972. PIL

CONTAGIOUS ECTHYMA OF SHEEP

ROSLYAKOV, A.A.
Comparative ultrastructure of viruses of camel pox, pox-like disease of camels ("Auzduk") and contagious ecthyma of sheep.
Vopr. Virusol. (Probl. Virol.) (1):26- , 1972 (Russ. w/Engl. abstr.).
Curr. Contents - Life Sci. 15(14):74, 1972. PIL

SAWHNEY, A.N.
Studies on the virus of contagious pustular dermatitis-physico-chemical properties.
Indian Vet. J. 49(1):14-19, 1972. PIL

DUCK PLAGUE

GAUDRY, D., TEKTOFF, J., and CHARLES, J.-M.
A propos d'un nouveau virus isole chez le canard de Barbarie.
Pap. pres. Soc. Vet. Sci. Comp. Med. (Lyon), April 14, 1972. #8696
Mimeogr. copy, 14 p., 2 plates, DG/SZ-UV 697, April 12, 1972.

TOTH, T.E.
Alum-precipitated and sodium-hydroxide-conjugated vaccines for duck virus hepatitis: immunologic and serologic response of susceptible and low-level parentally immune White Pekin ducklings.
Avian Dis. 16(2):249-259, 1972. PIL

EAST COAST FEVER

BURDIN, M.L., and BOARER, C.D.H.
Glucose 6 phosphate dehydrogenase levels and haemoglobin types of cattle in East Africa in relation to resistance to East Coast fever.
Vet. Rec. 90(11):299-302, 1972. PIL

IRVIN, A.D., and others.*
Growth of Theileria parva-infected bovine lymphoid cells in irradiated mice.
Nat. New Biol. (Lond.) 236(65):106-107, 1972.
*C.G.D. Brown, M.P. Cunningham, J.G. Crawford, and M.A. Ledger. PIL

PURNELL, R.E., SANSOM, B.F., and SELLWOOD, S.A.
Uptake of $^{3}H$-thymidine during artificial feeding of Rhipicephalus appendiculatus ticks infected with Theileria parva.
Res. Vet. Sci. 13(1):102-103, 1972. PIL

EPHEMERAL FEVER

CHENOWETH, P.J., and BURGESS, G.W.
Mid-piece abnormalities in bovine semen following ephemeral fever.
Aust. Vet. J. 48(1):37-38, 1972. PIL

ST. GEORGE, T.D., HASS, C.R., and HORSFALL, N.
Infections with viruses and bacteria in intensively reared calves in northern Queensland.
Aust. Vet. J. 48(1):7-11, 1972. PIL

FOOT-AND-MOUTH DISEASE

ANON.
Foot and mouth disease virus production in a closed cycle.
German Patent No. 2, 122, 387.
Applicant: Laboratoire Roger Bellon.
Publ. date: 25.11.71. Priority date 6.5.70.(Fr.).
Abstr. in: Foot and Mouth Dis. Bull.(Wellcome Res. Labs., Kent) 11(4):60-61(72/67), 1972. SF 793 W4

ANON.
Foot-and-mouth test.
World Farming 14(4):33, 1972. #6949

ANON.
Progress report on foot-and-mouth disease.
OECD Agric. Rev. 17(3):90-91, 1970. #4802

ASCIONE, R., ARLINGHAUS, R.B., and VANDE WOUDE, G.F.
Tissue culture polyribosomal systems.
In: Protein Biosynth. Nonbact. Syst., p. 59-116, ed. by J.A. Last, and A.I. Laskin (Methods Mol. Biol., v. 2). New York, Marcel Dekker, xi, 336 p., illus., 1972. PIL/A QP 801 L33

BARZILAI, R., LAZARUS, L.H., and GOLDBLUM, N.
Viscosity-density gradient for purification of foot-and-mouth disease virus.
Arch. Gesamte Virusforsch. 36(1-2):141-146, 1972. PIL

BRAZIL. NATIONAL COURSE OF STUDIES ON FOOT-AND-MOUTH DISEASE. 1st. Brasilia, July 19-28, 1971.
[Abstract.]
Bol. Cent. Panam. Fiebre Aftosa No. 3:46, 1971 (Span./Engl.). PIL

CALLIS, J.J.
Research program of the Pan American Foot-and-Mouth Disease Center.
In: Inter-Am. Meet. Foot-and-Mouth Dis. and Zoonoses Control, 5th, Mexico City, Mexico, 1972, [Tab No. 2], 8 p. Washington, D.C., Pan Am. Health Organ., 1972. SF 793 I2

FOOT-AND-MOUTH DISEASE

CHARLIER, G., and others.*
Vergelijkende studie der polypeptiden van de mond- en klauwzeervirustypen $O_1$, $A_5$ en $C_L$ voor en na behandeling met trypsine. (Comparative studies on the polypeptides of purified foot and mouth disease virus types $O_1$, $A_5$ and $C_L$ before and after treatment with trypsin.)
English summary.
Vlaams Diergeneeskd. Tijdschr. 40(11):461-468, 1971.
*R. Strobbe, J. Debecq, and J. Leunen. #6982

GOLDZVEIG M., S.
Administrative aspects and conduct of the foot-and-mouth disease campaign in Chile.
In: Inter-Am. Meet. Foot-and-Mouth Dis. and Zoonoses Control, 5th, Mexico City, Mexico, 1972, RICAZ5/8, 23 p. Washington, D.C., Pan Am. Health Organ., 1972. SF 793 I2

GRAVES, J.H., McKERCHER, P.D., and CALLIS, J.J.
Foot-and-mouth disease vaccine: influence of the vaccine virus subtype on neutralizing antibody and resistance to disease. PIL/A &
Am. J. Vet. Res. 33(4):765-768, 1972. #7334

IDE, P.R., and DARBYSHIRE, J.H.
Studies with a rhinovirus of bovine origin.
II. Some physical and chemical properties of strain RS 3x.
Arch. Gesamte Virusforsch. 36(1-2):177-188, 1972. PIL

ISRAEL. THE KIMRON VETERINARY INSTITUTE. Beit Dagan.
Biological and immunological research on foot and mouth disease virus (FMDV). Non specific neutralizing activity of sera from Israeli-Friesian cattle against different types of the virus. Submitted by: B.A. Peleg.
(U.S. Pub. Law 480)
Israel Minist. Agric., Final Rep., 38 p., January 1972. #8381/1

KORANT, B.D., and others.*
Naturally occurring and artificially produced components of three rhinoviruses.
Virology 48(1):71-86, 1972.
*K. Lonberg-Holm, J. Noble, and J.T. Stasny. PIL

KRUGLIKOV, B.A., and others.*
Dostovka i khranenie protivoyashchurnykh vaktsini.
(Maintenance and preservation of foot and mouth disease vaccines.)
Veterinariya (Mosc.) (5):49-50, 1971 (Russ.).
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 11(4):73, 1972.
*V.P. Antonyuk, A.N. Yurchko, and N.I. Kazenov. SF 793 W4

FOOT-AND-MOUTH DISEASE

LARENAUDIE, B.
Separation par ultra centrifugation zonale des particules virales aphteuses et titrage par la methode automatique technicon de fixation du complement.
Eur. Comm. Control Foot-and-Mouth Dis. Rep. Meet. Res. Group Standing Tech. Comm., Tübingen, West Ger., 1971, p. 109-116. Rome, Food Agric. Organ. UN, 172 p., 1972. SF 793 E4

LEBEDEV, A.I., and GOGOLEV, M.M.
Bzaimodeistvie virusa yashchura s kletkami. (Cell culture of foot and mouth disease virus.) Veterinariya (Mosc.) (5):38-40, 1971 (Russ.).
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 11(4):73, 1972. SF 793 W4

MARCHIONINI, G.
Contribution a l'etude de la serologie systematisee. La reaction de fixation du complement dans la brucellose et la fievre aphteuse sur auto-analyseur Technicon.
These, Ec. Natl. Vet. Lyon, No. 44, 60 p., 1970.
Cited in: Inst. Fr. Fievre Aphteuse "Bull. Ref. Bibliogr. - Med. Vet." V4 02.098, Nov./Dec. 1971. ---

MARTINSEN, J.S.
Neutralizing activity of sera from guinea-pigs inoculated with foot-and-mouth disease variants.
Res. Vet. Sci. 13(1):97-99, 1972. PIL/A & #7338

PELEG, B.A., RON, N., and GULIANCA, M.
Production and release of foot and mouth disease virus in suspended cultures of bovine omasum and reticulum.
Refu. Vet. 28(4):133-143, 1971. PIL

PETR, G., and LAZNICKA, F.
Vliv teploty na komplement fixacni aktivitu viru slintavky a kulhavky. (The influence of temperature on the complement-fixation activity of the foot-and-mouth disease virus.) English summary.
Vet. Med. (Praha) 16(11-12):689-696, 1971. #6983

PODREZOVA, E.A.
O vyzhivaemosti virusa yashchura. (Eksperim. issledovaniya.). [The viability of the virus of foot and mouth disease: an experimental study.]
Sb. Nauchn. Rab. Sib. Zon. Nauchno-Issled. Vet. Inst. 17:188-192, 1970. From Ref. Zh. Biol., No. 4B146, 1971.
Biol. Abstr. 53(5):2892(29135), 1972. PIL

FOOT-AND-MOUTH DISEASE

POLI, G., DE SIMONE, F., and WEISENSTERN, J.
Fenomeni allergici da vaccinazione antiaftosa nella cavia. Studio sperimentale mediante precipitazione in agar gel. (Allergic phenomena of anti-foot-and-mouth disease vaccination in guinea pigs. Experimental study using precipitation in agar gel.)
English translation.
Clin. Vet. (Milano) 94(9):261-271, 1971 (Ital.). #6984

SETHI, S.K., and SCHWERDT, C.E.
Studies on the biosynthesis and characterization of rhinovirus ribonucleic acid.
Virology 48(1):221-229, 1972. PIL

SORVACHEV, E.V., KOZLOVSKII, G.A., and KULESHOVA, L.A.
Kontrol' aktivnosti protivoyashchuranoi GOA formol-vaktsiny iz lapinizirovannogo virusa $A_{22}$ na morskikh svinkakh. (Control of the activity of formolinised, aluminium hydroxide foot and mouth disease vaccines prepared from lapinised virus propagated in guinea pigs.)
Tr. Gos. Nauchno-Kontrol'n. Inst. Vet. Prep. 17:104-111, 1971 (Russ.).
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 11(4):73, 1972. SF 793 W4

TSOI, E.S.
Bakteriologicheskii kontrol' kachestva dezinfektsii zhivotnovodcheskikh pomeshchenii pri yashchure. (Bacteriological test to check the thoroughness of disinfection of animal buildings against foot and mouth disease.)
Tr. Vses. Inst. Vet. Prep. 37:259-261, 1970(Russ.).
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 11(4):73, 1972. SF 793 W4

U.S.D.A. ANIMAL AND PLANT HEALTH INSPECTION SERVICE. VETERINARY SERVICES. EMERGENCY PROGRAMS.
Foot-and-mouth disease in Ecuador and Peru.
Foreign Anim. Dis. Rep. No. 3:7, 1972. CIRC. FILE

U.S.D.A. ANIMAL AND PLANT HEALTH SERVICE. VETERINARY SERVICES. EMERGENCY PROGRAMS.
Foot-and-mouth disease.
/ FMD-Holland; FMD information kit under preparation. /
Foreign Anim. Dis. Rep. No. 2:7, 1972. CIRC. FILE

WISNIEWSKI, J., and JANKOWSKA, J.
Odpornosc bierna cielqt pochodzqcych od krow szczepionych przeciw pryszczycy nabyta za posrednictwem siary. (Passive immunity acquired by means of colostrum in calves originating from cows vaccinated against foot-and-mouth disease.)
English summary.
Med. Weter. 27(10):591-593, 1971. #6995

FOOT-AND-MOUTH DISEASE

WISNIEWSKI, J., and others.*
Okreslenie stopnia odpornosci u bydla na podstawie przeciwcial neutralizujqcych po zastosowaniu szczepionki przeciwpryszczycowej typu C wg Frenkla. (Determination of immunity in cattle after application of FMD vaccine type C acc. to Frenkel on the strength of neutralization antibodies.) English translation.
Med. Weter 27(9):528-531, 1971.
*J. Jankowska, T. Kobusiewicz, S. Szkilnik, and C. Baranowski. #6994

WITTEBORG, K.
Effect of vaccinatiOn against foot-and-mouth disease on milk secretion (particularly the case in fractions) and general health.
Inaug. Diss., Hannover, 48 pp., 1970 (Ger.).
Cited in: Foot-and-Mouth Dis. Ref., Animal Virus Res. Inst., December 17, 1971. ---

FOWL PLAGUE

CHEPULIS, G.-K.S., DERKACH, Yu.S., and ZHDANOV, V.M.
Protein components of classical fowl plague virus and Newcastle disease virus.
Vopr. Virusol. (Probl. Virol.) (1):48- , 1972 (Russ.w/Engl. abstr.).
Curr. Contents-Life Sci. 15(14):74, 1972. PIL

LONG, W.F., and OLUSANYA, J.
Adamantanamine and early events following influenza virus infection.
Arch. Gesamte Virusforsch. 36(1-2):18-22, 1972. PIL

LOUPING ILL

TIMONEY, P.J.
Recovery of louping ill virus from the red grouse in Ireland.
Br. Vet. J. 128(1):19-23, 1972. PIL

RINDERPEST

U.S.D.A. ANIMAL AND PLANT HEALTH INSPECTION SERVICE. VETERINARY SERVICES. EMERGENCY PROGRAMS.
Rinderpest outbreak in Turkey.
Foreign Anim. Dis. Rep. No. 3:7, 1972. CIRC. FILE

SCRAPIE

BIGNAMI, A.
Scrapie.
Lancet I(7752):689, 1972. PIL

GIBSON, P.E., BELL, T.M., and FIELD, E.J.
Failure of the scrapie agent to replicate in L5178Y mouse leukaemic cells.
Res. Vet. Sci. 13(1):95-96, 1972. PIL

SCRAPIE

LAVELLE, G.C., STURMAN, L., and HADLOW, W.J.
Isolation from mouse spleen of cell populations with high specific infectivity for scrapie virus.
Infect. Immun. 5(3):319-323, 1972. PIL

LEWIN, P.
Scrapie: an infective peptide?
Lancet I(7753):748, 1972. PIL

SHEEP POX

VEGAD, J.L., and SHARMA, G.L.
I. Pathogenesis of sheep pox (Variola ovina) in the skin of experimentally infected sheep--macroscopic observations.
JNKVV Res. J. 4(1/2):32-36, 1970 (Engl.).
Vet. Bull. 42(2):74(687), 1972. PIL

VEGAD, J.L., and SHARMA, G.L.
II. Pathogenesis of sheep pox (Variola ovina) in the organs of cardio-vascular, urinary, male reproductive and endocrine system of experimentally infected sheep.
JNKVV Res. J. 4(1/2):79-85, 1970 (Engl.).
Vet. Bull. 42(2):74(687), 1972. PIL

TESCHEN DISEASE

METIANU, T., and DENISE, C.
Immuno-precipitation en milieu gelifie du virus de Teschen.
Rev. Immunol. 35(3):73-83, 1971.
Cited in: Inst. Fr. Fievre Aphteuse "Bull. Ref. Bibliogr. - Med. Vet." V4 01.900, Nov./Dec. 1971. ---

VENEZUELAN EQUINE ENCEPHALOMYELITIS

DAVID-WEST, T.S.
The use of mouse embryo cell cultures in primary isolation of chikungunya virus.
Bull. W.H.O. 45(4):487-489, 1971. PIL

EHRENKRANZ, N.J., and others.*
Pandemic dengue in Caribbean countries and the southern United States -- past, present and potential problems.
N. Engl. J. Med. 285(26):1460-1469, 1971.
*A.K. Ventura, R.R. Cuadrado, W.L. Pond, and J.E. Porter. PIL

EHRLICH, R., and MILLER, S.
Effect of $NO_2$ on airborne Venezuelan equine encephalomyelitis virus.
Appl. Microbiol. 23(3):481-484, 1972. PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

ERSHOV, F.I., and others.*
Synthesis of infectious viral ribonucleoproteins in isolated mitochondria.
Dokl. Akad. Nauk SSSR 200(6):1452-1455, 1971(Russ.).
Chem. Abstr. 76(13):171(69832j), 1972.
*V.S. Gaitskhoki, O.I. Kiselev, L.K. Men'shikh, O.V. Zaitseva, L.V. Uryvaev, S.A. Neifakh, and V.M. Zhdanov. PIL

McMANUS, A.T., and ROBINSON, D.M.
Stability of live attenuated Venezuelan equine encephalitis vaccine.
Appl. Microbiol. 23(3):654-655, 1972. PIL

RETA PETTERSON, G.
Administrative aspects of the control program for Venezuelan equine encephalitis in Mexico.
In: Inter-Am. Meet. Foot-and-Mouth Dis. and Zoonoses Control, 5th, Mexico City, Mexico, 1972, RICAZ5/19, 5 p. Washington, D.C., Pan Am. Health Organ., 1972. SF 793 I2

SCHERER, W.F., and others.*
Observations of equines, humans and domestic and wild vertebrates during the 1969 equine epizootic and epidemic of Venezuelan encephalitis in Guatemala.
Am. J. Epidemiol. 95(3):255-266, 1972.
*J.V. Ordonez, P.B. Jahrling, B.A. Pancake, and R. W. Dickerman. PIL

U.S. DEPARTMENT OF AGRICULTURE.
USDA assures horse owners on use of VEE vaccine. GOV.PUBL.
News-U.S. Dep. Agric., USDA 968-72, 2 p., March 17, 1972. DRWR.

U.S.D.A. ANIMAL AND PLANT HEALTH INSPECTION SERVICE.
VETERINARY SERVICES. EMERGENCY PROGRAMS.
VEE outbreak in Mexico.
VEE activities.
Canada to vaccinate horses for VEE.
VEE information material.
Foreign Anim. Dis. Rep. No. 3:1; 5-6; 7; 8, 1972. CIRC. FILE

U.S.D.A. ANIMAL AND PLANT HEALTH SERVICE.
VETERINARY SERVICES. EMERGENCY PROGRAMS.
Horse owners urged to vaccinate for VEE.
VEE activities.
Prompt disease reporting.
Foreign Anim. Dis. Rep. No. 2:1-2; 7, 1972. CIRC. FILE

U.S.D.A. ANIMAL AND PLANT HEALTH SERVICE.
VETERINARY SERVICES. EMERGENCY PROGRAMS.
Venezuelan equine encephalomyelitis surveillance program, 1972.
[And 1971 activities, etc.]
Foreign Anim. Dis. Rep. 1(1):8 p., 1972. CIRC. FILE

VENEZUELAN EQUINE ENCEPHALOMYELITIS

WALTON, T.E., and others.*
Epizootic Venezuelan equine encephalomyelitis in Central America. Disease pattern and vaccine evaluation in Nicaragua, 1969-1970.
Am. J. Epidemiol. 95(3):247-254, 1972.
*F.E. Brautigam, J.A. Ferrer, and K.M. Johnson. PIL

VESICULAR STOMATITIS VIRUS

CHESTER, T.J., and others.*
In vivo release of previously cleared interferon by cycloheximide.
Infect. Immun. 5(3):383-388, 1972.
*E. De Clercq, M.R. Nuwer, and T.C. Merigan. PIL

CORY, J., and YUNKER, C.E.
Arbovirus plaques in mosquito cell monolayers.
Acta Virol. 16(1):90, 1972. PIL

GOBER, L.L., and others.*
Suppression of the intracellular growth of Shigella flexneri in cell cultures by interferon preparations and polyinosinic-polycytidylic acid.
Infect. Immun. 5(3):370-376, 1972.
*A.E. Friedman-Kien, E.A. Havell, and J. Vilcek. PIL

GREEN, M.
Molecular basis for the attack on cancer.
Proc. Natl. Acad. Sci. U.S.A. 69(4):1036-1041, 1972. PIL

JUNGWIRTH, C., and others.*
The synthesis of poxvirus-specific RNA in interferon-treated cells.
Virology 48(1):59-70, 1972.
*I. Horak, G. Bodo, J. Lindner, and B. Schultze. PIL

KASZA, L., SHADDUCK, J.A., and CHRISTOFINIS, G.J.
Establishment, viral susceptibility and biological characteristics of a swine kidney cell line SK-6.
Res. Vet. Sci. 13(1):46-51, 1972. PIL

LAB, M., and KOEHREN, F.
Potentialisation de l'action antivirale de l'interferon par la cycloheximide.
(The potentiation by cycloheximide of the anti-viral activity of interferon.)
English summary.
Ann. Inst. Pasteur (Paris) 122(3):569-573, 1972. PIL

LIN, M.T., and CAMPBELL, R.N.
Characterization of broccoli necrotic yellows virus.
Virology 48(1):30-40, 1972. PIL

VESICULAR STOMATITIS VIRUS

MALKOVA, D., and others.*
Isolation of Yaba 1 arbovirus in Czechoslovakia.
Acta Virol. 16(1):93, 1972.
*V. Danielova, J. Minar, B. Rosicky, and J. Casals. PIL

SCHAFER, T.W., and others.*
Evaluation of gentamicin for use in virology and tissue culture.
Appl. Microbiol. 23(3):565-570, 1972.
*A. Pascale, G. Shimonaski, and P.E. Came. PIL

SHIMIZU, Y., and others.*
Effect of chloroquine on the growth of animal viruses.
Arch. Gesamte Virusforsch. 36(1-2):93-104, 1972.
*S. Yamamoto, M. Homma, and N. Ishida. PIL

SUZUKI, S., SUZUKI, M., and IMAYA, M.
Interferon-inducing activity of acidic polysaccharides. I. Induction of rabbit serum interferon by Hansenula phosphomannans.
Jap. J. Microbiol. 15(6):485-492, 1971. PIL

TESH, R.B., CHANIOTIS, B.N., and JOHNSON, K.M.
Vesicular stomatitis virus (Indiana serotype): transovarial transmission by phlebotomine sandflies.
Science (Wash., D.C.) 175(4029):1477-1479, 1972. PIL

THACORE, H.R., and YOUNGNER, J.S.
Viral ribonucleic acid synthesis by Newcastle disease virus mutants isolated from persistently infected L cells: effect of interferon.
J. Virol. 9(3):503-509, 1972. PIL

TSUCHIYA, Y., and TAGAYA, I.
Mechanism of enhanced plaque formation by poliovirus in poxvirus-infected cells.
J. Gen. Virol. 14(3):237-242, 1972. PIL

VESTERGÅRD JØRGENSEN, P.E., and MEYLING, A.
Egtved virus: demonstration of virus antigen by the fluorescnnt antibody technique in tissues of rainbow trout affected by viral haemorrhagic septicaemia and in cell cultures infected with Egtved virus.
Arch. Gesamte Virusforsch. 36(1-2):115-122, 1972. PIL

WACKER, A., and others.*
Induction of interferon in L cells by polyinosinic-polycytidylic acid in the presence of cationic compounds. I. Polycations.
Arch. Gesamte Virusforsch. 36(1-2):71-79, 1972.
*E. Lodemann, J. Diederich, K. Mohrbutter, and U. Lauschke. PIL

VESICULAR STOMATITIS VIRUS

WUNNER, W.H., and PRINGLE, C.R.
Protein synthesis in BHK21 cells infected with vesicular stomatitis virus. I. ts mutants of the Indiana serotype.
Virology 48(1):104-111, 1972. PIL

VISNA DISEASE

MACINTYRE, E.H., WINTERSGILL, C.J., and THORMAR, H.
Morphologic transformation of human astrocytes by visna virus.
Am. J. Pathol. 66(3):6a-7a(11), 1972. PIL

NOWINSKI, R.C., EDYNAK, E., and SARKAR, N.H.
Serological and structural properties of Mason-Pfizer monkey virus isolated from the mammary tumor of a Rhesus monkey (primate cancer/oncogenic RNA virus/simian foamy virus/visna virus/viral antigens).
Proc. Natl. Acad. Sci. U.S.A. 68(7):1608-1612, 1971. PIL

TEMIN, H.M.
The RNA tumor viruses—background and foreground.
Proc. Natl. Acad. Sci. U.S.A 69(4):1016-1020, 1972. PIL

MISCELLANEOUS

ALBRECHT, P., and SCHUMACHER, H.P.
Markers for measles virus. I. Physical properties.
Arch. Gesamte Virusforsch. 36(1-2):23-35, 1972. PIL

CHANG, S.C.
Hematoxylin-eosin staining of plastic-embedded tissue sections.
Arch. Pathol. 93(4):344-351, 1972. PIL

FOGH, J., HOLMGREN, N.B., and LUDOVICI, P.P.
A review of cell culture contaminations.
In Vitro 7(1):26-41, 1971. #4654

HOSOKAWA, A., TAKAOKA, T., and KATSUTA, H.
Non-essential amino acid requirements of mammalian cells in tissue culture.
Jap. J. Exp. Med. 41(4):273-290, 1971. PIL

MARTIN, S.J., JAMISON, D., and BURKE, K.
Bottle-rolling apparatus for tissue culture production.
Lab. Pract. 20(12):946, 1971.
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 11(4):61(72/68), 1972. SF 793 W4

MISCELLANEOUS

MULVIHILL, J.J.
Congenital and genetic disease in domestic animals.
[ "Farm and household animals can warn of environmental hazards and provide models of human genetic disease." ]
Science (Wash., D.C.) 176(4031):132-137, 1972. PIL

PERKINS, F.T.
The need for a standardised cell substrate for virus vaccine production.
Jap. J. Med. Sci. Biol. 24(5):329-344, 1971. PIL

TAN, Y.H., JENG, D.K., and HO, M.
The release of interferon: an active process inhibited by p-hydroxymercuribenzoate.
Virology 48(1):41-48, 1972. PIL

TODARO, G.J., and HUEBNER, R.J.
The viral oncogene hypothesis: new evidence.
Proc. Natl. Acad. Sci. U.S.A. 69(4):1009-1015, 1972. PIL

WANG, J.T., and DUNNE, H.W.
Comparison of antiserums produced in chickens, rabbits, and specific-pathogen-free pigs for the typing of porcine enteroviruses.
Am. J. Vet. Res. 33(4):811-816, 1972. PIL